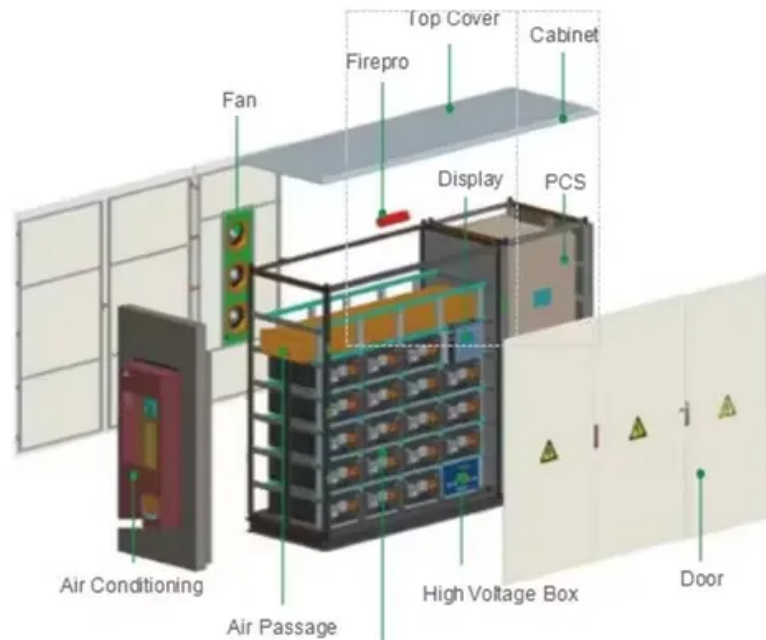


A-Core Container

Portugal lithium battery pack



Overview

Should Portugal produce battery-grade Li-compounds?

Therefore, the production of battery-grade Li-compounds in Portugal would aid the EU in lessening its dependence on external sources for this strategic metal, assisting as well in increasing the domestic supply of raw materials for battery manufacturing. Portugal has been the sole European lithium producer since 2011 (USGS 2024).

Why should Portugal invest in a battery factory?

“Our factory will not only create new jobs but will also place Portugal at the forefront of the production of batteries for electric vehicles in Europe,” he highlights. According to CALB, “this strategic investment” aims to “reinforce its presence in the European market for electric vehicles (EV) and energy storage systems (BESS)”.

Do Portuguese Li resources support Li-ion battery needs?

We evaluate this demand surge and the role of Portuguese Li resources in supporting Li-ion battery needs for Portugal and the European Union (EU) BEV market. The study highlights potential supply chain challenges that may be relieved by up to 40% through technological diversification or recycling systems.

Can Portugal build a fully integrated lithium supply chain?

Alongside Spain, Portugal is leveraging its abundant lithium deposits to build a fully integrated supply chain, covering: Strengthening Europe’s battery ecosystem by reducing reliance on Chinese manufacturers will enhance supply chain security and create a more resilient local production network for lithium-ion batteries.

How much lithium does Portugal have?

Portugal has noteworthy lithium (Li) resources (306 thousand tonnes – kt) that

should be suitably assessed to realistically support an expected expansion of known reserves (ca. 53 kt Li), as reported in several studies (e.g. Dinis and Horgan 2018; Filipe et al. 2010).

Will China build a lithium battery factory for cars?

The project to build a lithium battery factory for cars owned by the Chinese company CALB in Sines, with 15 GWh (Gigawatts/hour) of energy storage, is launched.

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